

WHAT IS CLAIMED IS:

1. A process for determining the position and/or the shape of at least one mark on a web to be printed on, the process comprising:

obtaining the image to be printed; and

5 determining the position and/or the shape of at least one registration mark in the image to be printed using the prepress data.

2. A process in accordance with claim 1, wherein the position and/or the shape of a plurality of marks and/or at least one mark field and/or at least one mark field white edge is determined with the use of the prepress data.

3. A process in accordance with claim 1, wherein the position data of the at least one mark or of the mark field are used to position at least one sensor.

4. A process in accordance with claim 1, wherein the position of at least one mark and/or of a mark field is used to determine the point in time of the detection of the mark by at least one sensor.

5. A process in accordance with claim 1, wherein the detected position of at least one mark and/or of a mark field is used to determine the reference position.

6. A process in accordance with claim 1, wherein position errors of at least one mark and/or of a mark field and/or of the white edge are determined.

7. A process in accordance with claim 6, wherein the degree of soiling of the sensors and/or the intensity of illumination are determined from a comparison of the prepress data with the data detected by sensors.

8. A process in accordance with claim 1, wherein an unambiguous assignment is established between marks and final control elements controlling print production using production data from a production planning computer, and determining the coordinates of the registration mark based on the production data.

9. A process in accordance with claim 8, wherein the production data includes one or more of web guiding data, plate coverage data and/or ink coverage data.

10. A device for determining the position and/or the shape of at least one mark on a web to be printed on, the device comprising:

an input device for entering prepress data; and

a device for determining position data and/or shapes for a mark based on the prepress data

5 entered.

11. A device for checking the print quality with at least one sensor, the device

comprising:

an input device for entering prepress data;

a device for determining position data and/or shapes for a mark based on the prepress data

5 entered; and

a sensor positioned and/or actuated on the basis of position data determined.